

P21228.A01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Nobuyuki KOBAYASHI et al.

Serial No : Not Yet Assigned

Filed : Concurrently Herewith

For : DIGITAL RECORDING AND REPRODUCING APPARATUS

**PRELIMINARY AMENDMENT**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

Prior to calculation of the filing fees and the examination of the above-identified patent application on the merits, the Examiner is respectfully requested to amend the claims as follows:

IN THE CLAIMS

Please amend the claims as follows (a marked-up copy of the claim amendments is provided as an attachment to this Amendment):

5. (Amended-Clean Text) A digital recording and reproducing apparatus according to claim 1, wherein said identification data-generating block generates numerical value information at random to thereby generate the identification data.

6. (Amended-Clean Text) A digital recording and reproducing apparatus according to claim 1, wherein the recording data is sound data, and wherein the digital recording and reproducing apparatus includes a sound signal input block for inputting an analog sound signal, a sound data generation block for generating the sound data by converting the analog sound signal to digital data and compressing the digital data, a sound signal generation block for decompressing the sound data recorded in the external memory to generate the digital data and converting the digital data to the analog sound signal, and an amplifier circuit for amplifying the converted analog sound signal to output the amplified sound signal.

Please add new claims 8-16 as follows:

---8. A digital recording and reproducing apparatus according to claim 2, wherein said identification data-generating block generates numerical value information at random to thereby generate the identification data.

9. A digital recording and reproducing apparatus according to claim 3, wherein said identification data-generating block generates numerical value information at random to thereby generate the identification data.

10. A digital recording and reproducing apparatus according to claim 4, wherein said identification data-generating block generates numerical value information at random to thereby generate the identification data.

11. A digital recording and reproducing apparatus according to claim 2, wherein the recording data is sound data, and wherein the digital recording and reproducing apparatus includes a sound signal input block for inputting an analog sound signal, a sound data generation block for generating the sound data by converting the analog sound signal to digital data and compressing the digital data, a sound signal generation block for decompressing the sound data recorded in the external memory to generate the digital data and converting the digital data to the analog sound signal, and an amplifier circuit for amplifying the converted analog sound signal to output the amplified sound signal.

12. A digital recording and reproducing apparatus according to claim 3, wherein the recording data is sound data, and wherein the digital recording and reproducing apparatus includes a sound signal input block for inputting an analog sound signal, a sound data generation block for generating the sound data by converting the analog sound signal to digital data and compressing the digital data, a sound signal generation block for decompressing the sound data recorded in the external memory to generate the digital data

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and converting the digital data to the analog sound signal, and an amplifier circuit for amplifying the converted analog sound signal to output the amplified sound signal.

13. A digital recording and reproducing apparatus according to claim 4, wherein the recording data is sound data, and wherein the digital recording and reproducing apparatus includes a sound signal input block for inputting an analog sound signal, a sound data generation block for generating the sound data by converting the analog sound signal to digital data and compressing the digital data, a sound signal generation block for decompressing the sound data recorded in the external memory to generate the digital data and converting the digital data to the analog sound signal, and an amplifier circuit for amplifying the converted analog sound signal to output the amplified sound signal.

14. A digital recording and reproducing apparatus according to claim 8, wherein the recording data is sound data, and wherein the digital recording and reproducing apparatus includes a sound signal input block for inputting an analog sound signal, a sound data generation block for generating the sound data by converting the analog sound signal to digital data and compressing the digital data, a sound signal generation block for decompressing the sound data recorded in the external memory to generate the digital data and converting the digital data to the analog sound signal, and an amplifier circuit for amplifying the converted analog sound signal to output the amplified sound signal.

15. A digital recording and reproducing apparatus according to claim 9, wherein the recording data is sound data, and wherein the digital recording and reproducing apparatus includes a sound signal input block for inputting an analog sound signal, a sound data generation block for generating the sound data by converting the analog sound signal to digital data and compressing the digital data, a sound signal generation block for decompressing the sound data recorded in the external memory to generate the digital data and converting the digital data to the analog sound signal, and an amplifier circuit for amplifying the converted analog sound signal to output the amplified sound signal.

16. A digital recording and reproducing apparatus according to claim 10, wherein the recording data is sound data, and wherein the digital recording and reproducing apparatus includes a sound signal input block for inputting an analog sound signal, a sound data generation block for generating the sound data by converting the analog sound signal to digital data and compressing the digital data, a sound signal generation block for decompressing the sound data recorded in the external memory to generate the digital data and converting the digital data to the analog sound signal, and an amplifier circuit for amplifying the converted analog sound signal to output the amplified sound signal. ---

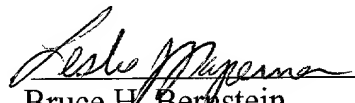
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REMARKS

By the above amendment, claims 5 and 6 have been amended and claims 8-16 have been added to delete multiple dependency.

If there should be any questions, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,  
Nobuyuki KOBAYASHI et al.

  
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MARKED-UP COPY OF AMENDED CLAIMS

5. (Amended) A digital recording and reproducing apparatus according to claim 1 [any one of claims 1 to 4], wherein said identification data-generating block generates numerical value information at random to thereby generate the identification data.

6. (Amended) A digital recording and reproducing apparatus according to claim 1 [any one of claims 1 to 4], wherein the recording data is sound data, and wherein the digital recording and reproducing apparatus includes a sound signal input block for inputting an analog sound signal, a sound data generation block for generating the sound data by converting the analog sound signal to digital data and compressing the digital data, a sound signal generation block for decompressing the sound data recorded in the external memory to generate the digital data and converting the digital data to the analog sound signal, and an amplifier circuit for amplifying the converted analog sound signal to output the amplified sound signal.